

# Barge Davy Crockett Response Incident Timeline: January – November 2011



## INCIDENT BACKGROUND

The Washington Department Ecology received reports of oil sheen on the Columbia River near Vancouver, Washington, January 27, 2011, and traced it 11 miles upstream to the 431-foot flat-deck barge Davy Crockett. Reports of sheen were reported as far as 14 miles downstream.

The vessel was partially sunk near the north shore between Vancouver and Camas, Washington, four miles upstream of the I-205 Bridge. The Davy Crockett had begun leaking oil due to improper and unpermitted salvage operations.

Response efforts began immediately to contain oil and stabilize the vessel. The Coast Guard, Washington Department of Ecology and Oregon Department of Environmental Quality jointly managed the emergency response effort using the National Incident Management System.

In mid-February Coast Guard Commandant Adm. Robert Papp authorized Coast Guard Sector Columbia River to remove and destroy the barge Davy Crockett.

## DAVY CROCKETT HISTORY

The Davy Crockett, a former Navy Liberty Ship was converted to a flat deck barge. As with many aging vessels, ownership changed several times over the years. The most recent ownership change is believed to have occurred in mid-2010. The vessel was located on Washington state-owned aquatic lands.



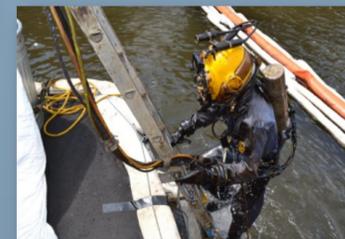
June 7: First section of stern double-bottom tanks removed

June 18: Last section of submerged mid-vessel double-bottom tanks removed

June 20: River levels drop below the top of the cofferdam

June 22: Final section of stern is removed – 80% of Davy Crockett now removed

June 28: Divers identify significant damage to the bow – the Unified Command approves in-water deconstruction of the remaining bow section



July 14: Divers drill into sealed aft deep tanks to collect samples of unknown liquid inside

July 15: Bottom profile survey conducted by dive team for sediment sampling and possible remediation effort

Aug. 5: Filtration of water inside the cofferdam begins

Aug. 13: Forward deep tanks removed (more than 95% of vessel removed)

Aug. 15: Bunker oil in last remaining sections of double-bottom tanks pumped-off

Aug. 25: Last section of Davy Crockett removed from the river



Sept. 3: Dredging inside the cofferdam begins

Sept. 30: 40.5 cubic yards of contaminated sediment recovered



Oct. 21: Dredging operations completed (85.5 cubic yards of sediment recovered)

Oct. 22: Final sediment samples collected

Oct. 25: Removal of the cofferdam begins

Nov. 17: Last metal sheet pile removed from the river - project completed

## PROJECT SUMMARY

SUMMARY	Total
Incident duration	295 days
Oil recovered	38,397 gallons
Oily water removed	1.6 million gallons
Steel removed	3.57 million pounds
Oiled debris removed	1.25 million pounds
Asbestos removed	4,850 pounds
Sediment removed	85.5 cubic yards
Samples analyzed	227
Total number of dives	886
Total dive hours	3,104
Injuries	0
Project cost	\$22 million

Mar. 1: Bunker oil found in submerged double-bottom tanks

Mar. 22: Shipyard "option" not feasible - change in overall removal plan required

Mar. 24: Unified Command approves in-water deconstruction

Mar. 26: Dive operations suspended in preparation for cofferdam construction phase

Mar. 28: Archaeological survey conducted

Mar. 31: Baseline sediment samples collected

Apr. 1: Metal cofferdam construction begins

Apr. 18: Cofferdam completed including installation of silt/oil barrier

Apr. 21: Dive operations resume at work site

Apr. 22: Stern section cut and separated from vessel's submerged mid-section

Apr. 25: First sections of submerged double-bottom tanks lifted from river bottom

Apr. 29: Stern section refloated

May 17: High river levels temporarily stops dive operations and oil barrier re-adjusted

May 18: Rising river levels over-top cofferdam, however oil barrier maintains containment and work/dive operations continue

May 25: Asbestos removal completed

May 26: Final side shell steel from stern section is removed

May 31: Bunker oil found in stern section double-bottom tanks



JAN/FEB

MAR

APR

MAY

JUN

JUL/AUG

SEPT

OCT/NOV